

According to the given requirements:

Enter the capacitance (in pF) 80

Enter the voltage rating (in V) 120

Enter the safety factor 10

Enter the metal strip width (in mm) 2

Design specifications:

Dielectric material

'quartz'

Dielectric layer thickness in micrometers

40

Length of the strips in millimeters

47.5766

Cost of the materials in USD

0.0308

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